
Article:
Keenan, Sarah, Wetherill, Sarah Jane, Ugbode, Christopher orcid.org/0000-0002-6023-8294 et al. (3 more authors) (2017) Inhibition of N1-Src kinase by a specific SH3 peptide ligand reveals a role for N1-Src in neurite elongation by L1-CAM. Scientific Reports. 43106. pp. 1-9. ISSN 2045-2322

https://doi.org/10.1038/srep43106

Inhibition of N1-Src kinase by a specific SH3 peptide ligand reveals a role for N1-Src in neurite elongation by L1-CAM

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Supplementary Information:

Figures S1 and S2

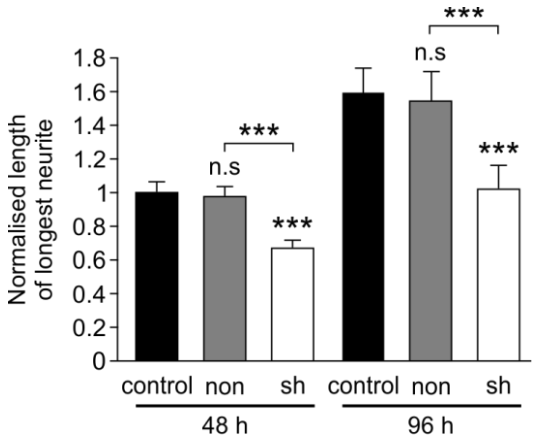

Figure S1. shRNA control plasmids do not affect neurite length. Cultured hippocampal neurons transfected with pSUPER-GFP (control), pSUPER-GFP encoding a non-targeting shRNA (non) or the N1-Src shRNA (sh) were analysed for length of longest neurite at 48 h or 96 h. Data were normalised to the 48 h control and plotted as mean ± SEM, n=50-100 neurons analysed per condition. Statistical analysis was performed by Kruskal-Wallis and post-hoc Dunn test (*** $P<0.001$; n.s, not significant, compared to control at each time point or the indicated comparisons).

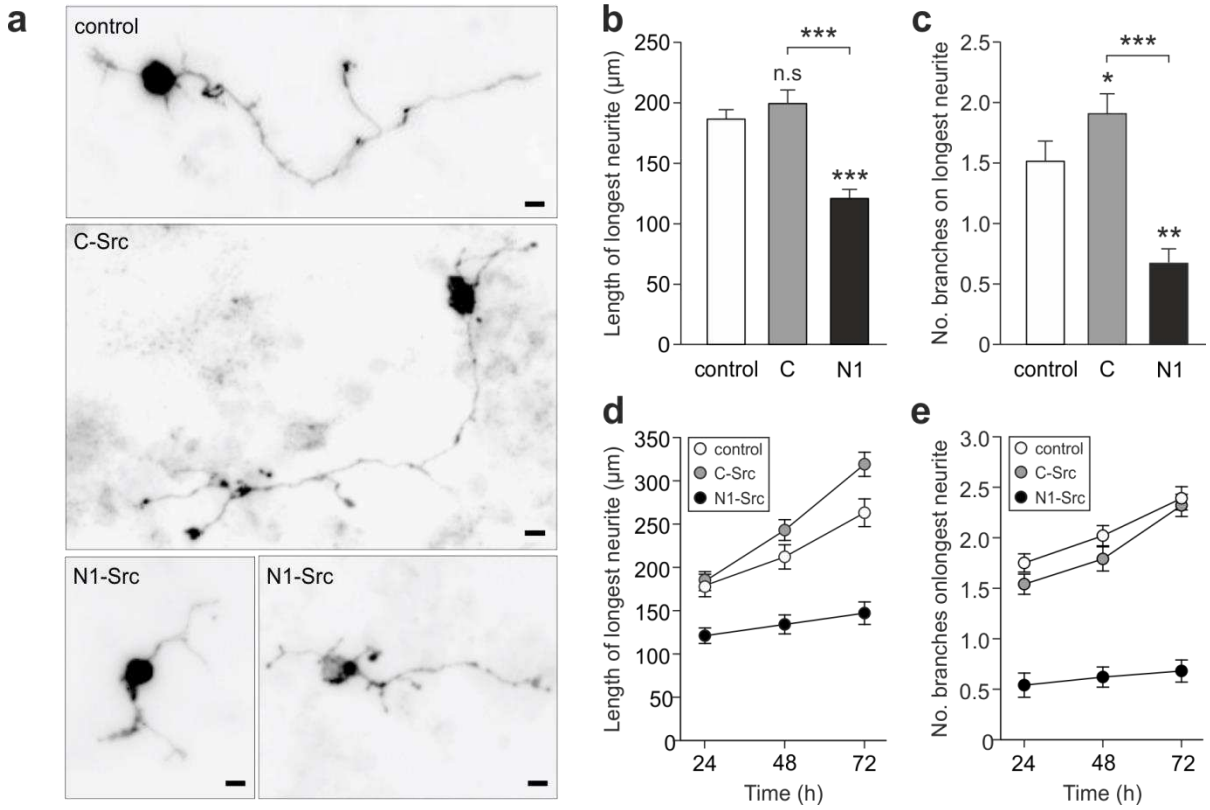

Figure S2. Overexpression of N1-Src in cerebellar granule neurons disrupts neurite outgrowth. A. Twenty four hours after plating, cultured cerebellar granule neurons were transfected with CFP (control), C- or N1-Src-FLAG for 24 (*B* and *C*), 48 or 72 h prior to fixing and processing for immunofluorescence. Scale bar = 10 µm. The NeuronJ plugin for ImageJ was used to quantify the length of the longest neurite (*B, D*) and branches on the longest neurite (*C, E*). Data were plotted as mean ± SEM, n=3 experiments with 30 cells analysed per condition for each experiment. Statistical analysis was performed by one way ANOVA and post-hoc Tukey test (* P<0.05; ** P<0.01; *** P<0.001).